Index of Claims

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|  |          |  |
|  |          |  |

10/611,671

Examiner

Xiaozhen Xie

Applicant(s)/Patent under Reexamination

SMEAL ET AL.

Art Unit

1646

| 1  | Rejected |
|----|----------|
| II | Allowed  |

|   | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          | L  |              |              |              |          | ,        |  | L        | ــــــــــــــــــــــــــــــــــــــ |   |  |          |                     |              |  |  | ,            |              | _ |
|----------|--|--------------|--------------|--------------|----------|----------|--|----------|--|---|--|----------|---------------------|--------------|--|--|--------------|--------------|---|
| Claim    | Τ  |              |              |              | Date     | e        |  |          |  |   | Cla  | aim      | Γ                   |              |  |  | Date         |              | _ |
| Final    | 6/22/06  |              |              |              |          |          |  |          |  |   | Final  | Original | 6/22/06             |              |  |  |              |              |   |
| 1        | +  | ╁            |              |              |          |          |  |          | ┢                                      |   |  | 51       | +                   | $\vdash$     | ┢  | $\vdash$   | -            | $\vdash$     | ╁ |
| 2        | $\dagger \tau$   | +-           | $\vdash$     | <del> </del> | ╁╌╴      | $\vdash$ | $\vdash$   |          | $\vdash$                               |   |  | 52       | T                   | ┢            | <del>                                     </del> | $\vdash$   |              | _            | t |
| 3        | $\Pi$  | 1            |              |              |          |          |  |          |  |   |  | 53       |                     |              | T  | Т  |              |              | T |
| 4        | П  | T            |              |              | T        | T        |  |          | Г                                      |   |  | 54       | П                   |              | T  | Ι-   |              |              | T |
| 5        | $\sqcap$   | $\top$       |              | $\vdash$     | Г        |          |  |          |  |   |  | 55       | П                   |              |  | Г  |              |              | T |
| 6        | П  |              |              | Ī            |          |          |  |          |  |   |  | 56       |                     |              |  |  |              |              | T |
| 7        | П  |              |              |              |          |          |  |          |  |   |  | 57       | П                   |              |  |  |              |              | Γ |
| 8        | $\prod$  | $\mathbb{L}$ |              |              |          |          |  |          |  |   |  | 58       |                     |              |  |  |              |              |   |
| 9        | П  |              |              |              |          |          |  |          |  |   |  | 59       | П                   |              | _  |  |              |              |   |
| 10       | Ц  |              | _            |              |          |          |  |          |  |   |  | 60       |                     |              |  |  |              |              | L |
| 11       | Ш  | 1_           | L            |              |          |          |  |          |  |   |  | 61       | Ц                   | <u> </u>     |  |  |              | _            | L |
| 12       | Ш  | _            | ļ            | _            | <u> </u> | <u> </u> |  |          |  |   |  | 62       | Ц                   | <u> </u>     | _  |  |              |              | L |
| 13       | 11   | 1            | ļ            | <u> </u>     | ļ        |          | ļ  |          |  |   |  | 63       | Ц                   | <u> </u>     | <u> </u>   | <u> </u>   |              |              | L |
| 14       | $\downarrow \downarrow$  | ╄-           | _            | <u> </u>     | L        | ļ        |  | <u> </u> |  |   |  | 64       | Ц                   | <u> </u>     | _  | _  | _            | <u> </u>     | L |
| 15       | 11   | $\perp$      | _            | <u> </u>     | <u> </u> | ļ        | ļ  |          |  |   |  | 65       | Н                   | <u> </u>     | <u> </u>   | <u> </u>   |              | _            | L |
| 16       | 44   | ┼            | ↓            | <u> </u>     | <u> </u> | <u> </u> | ـــــ  | <u> </u> | <u> </u>                               |   |  | 66       | Н                   | -            | ļ  |  | _            | -            | Ļ |
| 17       | 44   | -            | ļ            | <u> </u>     | ļ        |          |  |          |  |   |  | 67       | Н                   | <b>Ļ</b> _   | <u> </u>   |  |              |              | Ļ |
| 18       | +  | ┿            | —            | ┞            | <u> </u> | ļ        |  |          |  |   |  | 68       | H                   | ┞            | _  | <u> </u>   | _            | ⊢            | L |
| 19       | $\mathbf{H}$   | +-           | ├            | -            | -        | -        |  |          |  |   |  | 69       | H                   | -            | -  | ├  | _            | <u> </u>     | ╀ |
| 20       | ╁╂   | -            |              | -            | ┝        | -        |  |          |  |   |  | 70       | ╀                   |              | -  | -  |              |              | ╀ |
| 21       | ╁  | ┿            | ┼            | ├            | ├        | -        |  |          |  |   |  | 71<br>72 | ╁                   | -            |  | -  | -            |              | ╀ |
| 23       | ╁  | +            | -            | ├            | ├        | ├—       | ├—   |          |  |   |  | 73       | H                   | $\vdash$     | -  | $\vdash$   | $\vdash$     | <del> </del> | ╀ |
| 24       | ╫  | +            | -            | ├            | $\vdash$ | $\vdash$ | -  | _        |  |   |  | 74       | H                   | ├-           | -  | ├  | $\vdash$     | $\vdash$     | ╀ |
| 25       | Н  | +            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$ | <del> </del>                                     | -        |  |   |  | 75       | ╂╂                  |              | -  |  | -            |              | ╁ |
| 26       | ╫  | ╁            | ┢            | ┢            | ┢        | ⊢        | -  |          |  |   |  | 76       | ╁╂                  | ╁            | -  |  |              | ┢            | ⊦ |
| 27       | H  | -            |              |              | ├        | H        | -  |          |  |   |  | 77       | +                   | ╁            |  | ┢  | -            | -            | H |
| 28       | ++   | +            | -            | <del> </del> | -        | -        | <del>                                     </del> | -        |  |   |  | 78       | H                   | 一            | -  | ┢  | -            | ┢            | t |
| 29       | H  | +            | $\vdash$     | $\vdash$     |          | $\vdash$ | $\vdash$   | $\vdash$ |  |   |  | 79       | 1                   | <del> </del> |  | -  | -            | $\vdash$     | t |
| 30       | 11   | $\dagger$    | $\vdash$     | ┢            | 十        | H        | $\vdash$   | $\vdash$ |  |   |  | 80       | 1                   | 1            |  | -  |              | <u> </u>     | t |
| 31       | Ħ  | ╁            | 1            | t            | ┢        | T        | $\vdash$   | _        |  |   |  | 81       | 1                   | ╁            | _  | <del>                                     </del> |              |              | t |
| 32       | П  | $\top$       | Т            | Г            | ⇈        | Г        |  |          |  |   |  | 82       |                     |              | <u> </u>   |  |              |              | T |
| 33       | $\Pi$  |              |              |              |          |          |  |          |  |   |  | 83       | П                   | Г            |  |  |              |              | T |
| 34       | П  |              |              | Π            |          | Г        |  |          |  |   |  | 84       | П                   |              |  |  |              |              | Γ |
| 35       | П  |              |              |              |          |          |  |          |  |   |  | 85       | П                   |              |  |  |              |              |   |
| 36       | П  |              |              |              |          |          |  |          |  |   |  | 86       |                     |              |  |  |              |              |   |
| 37       | Ш  |              |              |              |          | 匚        |  |          |  |   |  | 87       | $\coprod$           |              |  |  |              |              | Ĺ |
| 38       | Ц  | L            | 匚            |              |          | _        |  |          |  |   |  | 88       | Щ                   |              | L  | L.   |              |              | L |
| 39       | Ц  | $\perp$      | _            | _            |          | <u></u>  | <u> </u>   | L        | L_                                     |   | L  | 89       | Ц                   | L            | <u> </u>   | L  |              | _            | L |
| 40       | Ц  | $\perp$      | <u> </u>     | <u> </u>     | L_       | <u></u>  | 1  | <u>L</u> | L                                      |   | L  | 90       | Ц                   |              | <u> </u>   | $oxed{oxed}$                                     | L            |              | L |
| 41       | $\!$ | 1            | _            | <del> </del> | _        | <u> </u> | <b> </b>   | <u> </u> | <u> </u>                               |   |  | 91       | $\coprod$           | <u></u>      | <u> </u>   | Щ  | <u> </u>     |              | L |
| 42       | #  | 4            | <u> </u>     | <b>Ļ</b> _   | <u> </u> | <u> </u> | <u> </u>   | <u> </u> | ļ                                      |   |  | 92       | $\coprod$           |              | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u>     | 1 |
| 43       | H  | ┼            | <del> </del> |              | <u> </u> | <u> </u> |  |          | <u> </u>                               |   |  | 93       | $oldsymbol{\sqcup}$ | <u> </u>     | <u> </u>   | ⊢  | ⊢            |              | L |
| 44       | ╢  | ╁            |              | <del> </del> | <u> </u> | ⊢-       | ├  | <u> </u> | <u> </u>                               |   |  | 94       | 1                   | $\vdash$     | <u> </u>   | <del> </del>                                     | ├—           |              | 1 |
| 45       | ₩  |              | ├-           | -            |          | <u> </u> |  |          |  |   | <u> </u>   | 95       | ₩                   | <del> </del> | ├—   | <u> </u>   | H            |              | 1 |
| 46<br>47 | ╫  | +            | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash$ | -  | ├-       |  |   |  | 96       | ${f H}$             | ╆-           | ⊢  | ⊢  | <del> </del> |              | ╀ |
|          | ╁╂   | ╁            | ╁            | ├            | ├        |          | <del>                                     </del> |          | -                                      |   |  | 97       | ╁                   | 1            | $\vdash$   | $\vdash$   |              | <del> </del> | ┞ |
| 48<br>49 | ╁  |              | $\vdash$     | -            | -        | $\vdash$ |  | -        |  |   |  | 98<br>99 | V                   | ╁            | ╁  | H  | ⊢            |              | + |
| 50       | \*   | 4            | ┼            |              | ┢        | $\vdash$ | $\vdash$   | _        |  |   | <del>                                     </del> | 100      | ¥                   | ╁            | ⊢  | $\vdash$   | ├-           | -            | H |
| 1 30     | 1  |              | _            | _            | _        |          |  | Щ        |  | J | LL   | 100      | <u> </u>            | <b>L</b>     | <u> </u>   | L  | I            |              | L |

| Cla      | Date                                   |           |           |  |  |                   |          |              |              |  |  |
|----------|--|-----------|-----------|--|--|-------------------|----------|--------------|--------------|--|--|
|          |  |           | Γ         | Γ  |  |                   |          | Γ            |              |  |  |
| <u>0</u> | Original                               | 6/22/06   | 1         |  |  |                   |          |              |              |  |  |
| Final    | Ē                                      | 22        | 1         |  |  |                   |          |              |              |  |  |
| "-       | Ō                                      | 9         | 1         |  |  |                   |          |              |              |  |  |
|          | C1                                     | <u> </u>  | ╁         | ╁  | ⊢  |                   | <u> </u> | <del> </del> | H            | -  |  |
| <u> </u> | 51                                     | 7         | -         | ┼  | ⊢  | -                 |          |              | _            | _  |  |
| L        | 52                                     | Ц         | _         | ↓_   | <u> </u>   | L                 |          | <u> </u>     |              | _  |  |
|          | 53                                     | Ц         | <u> </u>  | _  | <u> </u>   |                   | _        | _            |              |  |  |
| L        | 52<br>53<br>54<br>55                   | Ц         | _         | _  | L  |                   | _        |              |              |  |  |
|          | 55                                     |           | _         |  |  |                   | _        | L            |              |  |  |
|          | 56                                     | Ш         |           | <u></u>  |  |                   |          |              |              |  |  |
|          | 57                                     |           |           |  |  |                   |          |              |              |  |  |
|          | 57<br>58                               | П         | l         |  |  |                   |          |              |              |  |  |
|          | 59                                     | П         | T         |  |  |                   |          |              |              |  |  |
|          | 60                                     | П         |           | $\top$   |  |                   |          |              |              |  |  |
|          | 61                                     |           | 1         | 1  |  |                   |          | Г            |              |  |  |
|          | 62                                     | T         | T         | 1  | 1  | -                 |          |              |              |  |  |
| $\vdash$ | 63                                     | H         | 1         | +-   |  | -                 |          | $\vdash$     | Н            | $\vdash$   |  |
|          | 64                                     | H         | $\dagger$ | $\vdash$   | $\vdash$   | -                 | -        | <del> </del> | -            | -  |  |
|          | 63<br>64<br>65                         | H         | ╁         | $\vdash$   | $\vdash$   | $\vdash$          | $\vdash$ | $\vdash$     |              |  |  |
| -        | 66                                     | H         | +         | +  | $\vdash$   | $\vdash$          | -        | $\vdash$     | $\vdash$     | -  |  |
|          | 66<br>67                               | H         | +-        | +-   |  |                   | -        |              |              | -  |  |
|          | 07                                     | H         | ┼         | ╁—   |  | <u></u>           |          | ├—           | _            |  |  |
| <u> </u> | 68                                     | H         | ╄         | -  | <u> </u>   | _                 | _        | _            |              |  |  |
|          | 68<br>69<br>70                         | 1         | -         | <del>  -</del>                                   |  | ļ                 | <u> </u> | ļ            |              |  |  |
|          | 70                                     | Ц         | 1_        | <u> </u>   |  |                   |          | <u> </u>     | :            | _  |  |
|          | 71                                     | Ц         | _         | ļ  |  |                   |          | <u> </u>     | L.           |  |  |
|          | 71<br>72<br>73<br>74<br>75<br>76<br>77 | Ц         | ╙         |  | L  |                   | L        | <u> </u>     |              | _  |  |
|          | 73                                     | Ц         | L         | _  |  |                   |          | L            |              |  |  |
|          | 74                                     |           |           | <u> </u>   |  |                   |          |              |              |  |  |
|          | 75                                     |           |           |  |  |                   |          |              |              |  |  |
|          | 76                                     | П         |           |  |  |                   |          |              |              |  |  |
|          | 77                                     | П         |           |  |  |                   |          |              |              |  |  |
|          | 78                                     | П         | Ì         | 1  |  |                   |          |              |              |  |  |
|          | 79                                     | T         | 1         | <del>                                     </del> |  | -                 |          | $\vdash$     |              |  |  |
|          | 78<br>79<br>80                         | $\Box$    | 1         | 1  | -  |                   | _        |              |              |  |  |
|          | 81                                     | H         | 1         | †  |  |                   |          | $\vdash$     |              |  |  |
| -        | 82                                     | H         | +         | ╁  | $\vdash$   |                   | _        | -            |              |  |  |
|          | 82<br>83                               | H         | +         | +-   | $\vdash$   | -                 | -        | ├            |              |  |  |
| <b></b>  | 84                                     | H         | +         | $\vdash$   | <del>                                     </del> | -                 | -        | $\vdash$     | $\vdash$     | <del>                                     </del> |  |
| <b></b>  | 84<br>85<br>86                         | H         | +-        | ┼  | $\vdash$   | $\vdash$          | -        | $\vdash$     | H            | -  |  |
|          | 86                                     | H         | +         | $\vdash$   | $\vdash$   | -                 | -        | $\vdash$     | <u> </u>     |  |  |
| $\vdash$ | 97                                     | H         | +         | $\vdash$   | $\vdash$   |                   | $\vdash$ | $\vdash$     | -            |  |  |
|          | 87<br>88                               | H         | +-        | ┼  |  | $\vdash$          | -        |              | $\vdash$     | <u> </u>   |  |
| <b></b>  | 00                                     | H         |           | ┼-   | <b>⊢</b> −                                       | $\vdash$          | -        |              | $\vdash$     |  |  |
| <b></b>  | 89                                     | H         | +-        | -  |  | <u> </u>          | ├-       | <b> </b> -   | <del> </del> | <u> </u>   |  |
| <u> </u> | 90                                     | Н         | _         | ╀  | <u> </u>   | <u> </u>          |          | <u> </u>     | <u> </u>     | <u> </u>   |  |
| <u> </u> | 91                                     | ot        | 1         | 1.   | $\vdash$   | <u> </u>          | <u> </u> | <u> </u>     | <u> </u>     |  |  |
| L        | 92                                     | Ц         | 1         | <u> </u>   | <u> </u>   | L                 |          | <u> </u>     | <u> </u>     | L  |  |
| ļ        | 93                                     | Ц         | 1         | 1  | 匚  | $ldsymbol{f eta}$ | <u> </u> | <u> </u>     | <u> </u>     | L  |  |
| <u> </u> | 94                                     | Ц         | $\perp$   | 1  | <u></u>  | <u>_</u>          |          | $oxed{oxed}$ | <u> </u>     |  |  |
| L        | 95                                     | Ц         |           |  |  |                   | L        | _            | L            | L  |  |
|          | 96                                     | $\coprod$ | L         | Ĺ  | L  |                   | L        |              |              |  |  |
|          | 97                                     |           |           |  |  |                   |          |              |              |  |  |
|          | 98                                     | T         | $\top$    | П  | Г  | Ī                 |          | Γ            |              |  |  |
|          | 99                                     | V         | 1         |  |  |                   |          |              |              |  |  |
| $\Gamma$ | 100                                    | +         | 1         | T  | Г  | $\vdash$          |          | Г            |              |  |  |

| Cla      | aim  | Date     |              |  |              |              |  |  |  |                 |
|----------|--|----------|--------------|--|--------------|--------------|--|--|--|-----------------|
|          |  |          |              |  |              |              |  | Γ  |  |                 |
| <u>a</u> | Original   | 6/22/06  |              |  |              |              |  |  |  |                 |
| Final    | įģ   | 22       |              |  |              |              |  |  |  |                 |
| u.       | ō  | 9        |              |  |              |              |  |  |  |                 |
|          |  |          |              |  | _            | -            |  | <u> </u>   | $\vdash$   | -               |
|          | 101  | ÷        |              | ļ  |              | <u> </u>     |  | <u> </u>   |  |                 |
|          | 101<br>102<br>103  |          |              | L.   |              |              |  |  |  |                 |
|          | 103  | +        |              |  |              |              |  |  | _  |                 |
|          | 104  |          |              |  |              |              |  | _  |  |                 |
|          | 105  |          |              |  |              |              |  |  |  |                 |
|          | 104<br>105<br>106  |          |              |  |              |              |  |  |  |                 |
|          | 107  |          |              |  |              |              |  |  |  |                 |
|          | 108  |          |              |  |              |              |  |  |  |                 |
|          | 109  |          |              |  |              |              |  |  |  |                 |
|          | 110  |          |              |  |              |              |  | -  |  |                 |
|          | 111  |          | _            | -  |              |              |  |  |  |                 |
|          | 112  | $\vdash$ | _            | <del>                                     </del> |              | _            | $\vdash$   |  | -  | Н               |
|          | 113  | $\vdash$ | -            | <del> </del>                                     | $\vdash$     | <del> </del> | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash \vdash$ |
|          | 114  |          |              | -  |              | -            |  |  | -  | $\vdash$        |
|          | 115  |          |              | $\vdash$   | <del> </del> |              | $\vdash$   | ├  | $\vdash$   | $\vdash \vdash$ |
|          | 107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | ⊢        | <del> </del> | <u> </u>   | H            | <b> </b> -   |  |  |  |                 |
|          | 110  |          |              |  |              |              | -  | <del> </del> —                                   | <del> </del>                                     | $\vdash$        |
|          | 117  | <u> </u> |              |  | _            | _            | <u> </u>   | <u> </u>   | <u> </u>   |                 |
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|          | 119  |          |              |  | _            |              | <u> </u>   | _  |  |                 |
|          | 120  | _        |              |  |              |              | _  | <u> </u>   | _  |                 |
|          | 121  |          |              |  |              |              |  |  |  |                 |
|          | 122  |          |              |  |              |              | L  | L  |  |                 |
|          | 123  |          |              |  |              |              |  |  |  |                 |
|          | 124  |          |              | -  |              |              |  |  |  |                 |
|          | 125  |          |              |  |              |              |  |  |  |                 |
|          | 126  |          |              |  |              |              |  |  |  |                 |
|          | 127  |          |              |  |              |              |  |  |  |                 |
|          | 128  | $\vdash$ |              |  |              | _            |  |  |  |                 |
|          | 129  | -        |              |  |              |              |  |  | _  |                 |
|          | 130  | -        |              |  |              | _            |  | _  | _  |                 |
|          | 131  | $\vdash$ |              |  |              | _            |  | <del> </del>                                     | <del>                                     </del> | $\vdash$        |
|          | 132  |          |              | -  | -            |              | -  | <del>                                     </del> | <del>                                     </del> |                 |
|          | 131<br>132<br>133  |          | -            | -  | $\vdash$     | <del> </del> | <del> </del>                                     | $\vdash$   | $\vdash$   | Н               |
|          | 124  |          | Ь.           | -  | -            |              | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$        |
|          | 134<br>135   | -        | -            | -  | $\vdash$     | <u> </u>     | ├  | ├  |  | $\vdash$        |
|          | 126  | -        |              | $\vdash$   | $\vdash$     | $\vdash$     | ├  | $\vdash$   | $\vdash$   | $\vdash$        |
|          | 127  | $\vdash$ |              | $\vdash$   |              | $\vdash$     |  | -  |  |                 |
|          | 137  |          |              |  | <b></b> -    |              | ├  | ⊢  | <del> </del>                                     | $\vdash$        |
|          | 136<br>137<br>138<br>139<br>140  |          |              | -  | $\vdash$     | $\vdash$     | ├-   | $\vdash$   | $\vdash$   | $\vdash$        |
|          | 139  |          |              | -  |              | $\vdash$     |  |  |  |                 |
|          |  | <u> </u> | -            |  |              |              | <u> </u>   |  |  |                 |
|          | 141  | ļ        | <u> </u>     | -  |              |              | <u> </u>   | <u> </u>   | <del> </del>                                     | Н               |
|          | 142  | <u> </u> | <u> </u>     | -  | -            |              | <u> </u>   | <u> </u>   |  |                 |
|          | 143  | ļ        | L-           |  | <u> </u>     | <u> </u>     | <u> </u>   |  | <u> </u>   | Ш               |
|          | 144  | <u> </u> | <u> </u>     | <u> </u>   | $\vdash$     | <u> </u>     |  |  | <u> </u>   | $\square$       |
|          | 145  | <u> </u> |              | <u> </u>   | <u> </u>     | Щ            | ļ  | <b> </b>   | <u> </u>   |                 |
|          | 146  |          |              | <u> </u>   |              | _            | <u> </u>   | L_   |  |                 |
|          | 147  | <u> </u> |              | <u> </u>   | <u> </u>     |              |  |  |  |                 |
|          | 148  | L        |              |  |              | L            |  | _  |  |                 |
|          | 149  |          |              |  |              |              |  |  |  |                 |
|          | 150  |          |              |  |              |              |  | L  |  |                 |
|          |  |          |              |  |              |              |  |  |  |                 |